

Rubber Manufacturers Association
1400 K Street
Suite 900
Washington, DC 20005

Tri-Regional Scrap Tire Conference

Memphis, TN



RUBBER
manufacturers
association

Memphis Marriott Downtown Hotel

December 5 & 6, 2002

Tri-Regional Scrap Tire Conference

**Sponsored by the
United States Environmental Protection Agency
Regions 4, 5 and 6, in association with
the Rubber Manufacturers Association**

December 5 & 6, 2002

**Memphis Marriott Downtown
250 North Main Street
Memphis, Tennessee**

Room Rates

Private Sector: \$104/night Government Rate: \$75/night

- Hotel Reservations: (888) 557-8740
- Refer to Rubber Manufacturers Association (RMA) or the Tri-Regional Conference when making reservations

Hotel Registration Rate Deadline is November 20th

Registration Fee

Private sector: \$125/person Government: \$90/person

Registration Includes

- Continental breakfast and lunch on December 5 & 6
- December 5th Evening Reception sponsored by Columbus McKinnon Corporation

Conference Hours

- December 5th 9 AM- 6:15 PM
- December 6th 8 AM – 12:30 PM

**To Register Please Complete Form and
Follow Directions on the Last Page**

Registration Form - Tri-Regional

Name _____

Title _____

Company _____

Street _____

City, State Zip _____

Phone _____

Fax _____

Email _____

Federal Tax id # • 52-1083025

☐ Check

☐ Money Order

☐ P O # _____

☐ Visa

☐ Master Card

Card Number _____

Expiration Date _____

Name as it appears on the card: _____

Mail or Fax to:

Renee Shortess
Rubber Manufacturers Association
1400 K Street, N.W.
Suite 900
Washington, D.C. 20005.
(202) 682-4883 • Fax: (202) 682-4854

Questions:

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Scrap Tire Facts and Figures

Number of scrap tires generated annually (2001): **281 million**
Approximate weight of these scrap tires: **5.68 million tons**
Percentage of total solid wastes generated: (2001): **1.8%**
Number of scrap tires in stock piles: **300 million**
Number of scrap tires processing facilities: **498**
Number of scrap tires going to a market (2001): **218 million**
Number of scrap tires used for fuel (2001): **115 million**
Number of facilities using tire-derived fuel (2001): **80**

39 cement kiln
14 pulp & paper mills
16 industrial boilers
11 utility boilers

Scrap tires used in civil engineering applications (2001): **40 million**
Number of scrap tires exported (2001): **15 million**
Scrap tires processed into ground rubber (2001): **33 million**
Scrap tires punched/stamped into new products (2001): **8 million**
Number of scrap tires used in a pyrolysis process (2001): **0**
Fastest growing new markets:

playground cover
soil amendments
flooring/matting
landfill construction material

Number of new products that contain recyclable tire rubber: **110+**
Number of states with scrap tires legislation/regulations: **48**
Number of States with a fee: **33**
Number of states that ban whole tires from landfills: **38**
Number of states with no landfill restrictions: **8**
Number of states that ban all scrap tires from landfills: **11**
States that allow Monofills: **17**
Average weight of a passenger car scrap tire: **20 pounds**
Average weight of a light truck scrap tire: **30 pounds**
Average weight of a heavy truck scrap tire: **100 pounds**
Percentage of scrap tires that are passenger car tires: **84**
Percentage of scrap tires that are from light and heavy trucks: **15**
Percentage of heavy equipment, aircraft and off-road tires: **1**
Btu's per pound of scrap tire rubber: **15,000**
Amount of steel in a steel belted radial passenger car tires: **2.5 lbs.**
Oil (equivalency) in a passenger car tire: **7 gallons**
Specific gravity of tire rubber: **1.15**
Number of polymers (rubber) used in tire construction: **3-4**
Best ways to reduce the number of scrap tires generated:

- 1.** Purchase longer-tread life tires
- 2.** Rotate tires every 6,000 miles
- 3.** Check for/inflate tires to recommended air pressure levels once a month or before every long trip
- 4.** Balance tires when rotating them

Tri-Regional Scrap Tire Conference

Why a Regional Conference?

The markets and flow of scrap tires have developed on a regional basis. Regulations, generation rates and competition in surrounding states can have a significant impact on your ability to survive in a very competitive and dynamic industry. The Tri-Regional Scrap Tire Conference was developed to analyze the market forces on a regional and national level and allow participants to better understand the marketplace. The conference will also enable participants to interact with state regulators and understand how various programs can impact markets for scrap tires.

Who Should Attend?

State Scrap Tire Regulators
Scrap Tire Processors
Scrap Tire End Users
Equipment Vendors
Investors
Tire Retailers

Who Will Be There?

State scrap tire regulators from the EPA Regions hosting the conference, as well as those from other EPA Regions, are expected to attend.

EPA Region 4

Alabama
Florida
Georgia
Kentucky
Mississippi
North Carolina
South Carolina
Tennessee

EPA Region 5

Indiana
Illinois
Michigan
Minnesota
Ohio
Wisconsin

EPA Region 6

Arkansas
Louisiana
New Mexico
Oklahoma
Texas

Tri-Regional Scrap Tire Conference

Agenda - Day 1

Thursday • December 5, 2002

- 7:30 – 8:40 AM Continental Breakfast**
- 8:45 – 9:00 AM Opening Remarks**
- 9:00 – 10:30 AM Processing Issues**
 Moderator *Ben Banipal, EPA Region VI*
 Equipment Selection *Charles Astafan, Columbus-McKinnon Corp.*
 Equipment Maintenance *Mark Hope, Tire Disposal & Recycling*
 Equipment Fire Prevention *Michael Blumenthal, RMA*
 Stockpile Abatement Issues *Terry Gray, TAG Associates*
- 10:45 AM – 12:15 PM Ground Rubber Markets and Capacity**
 Moderator/Overview *Michael Blumenthal, RMA*
 Manufacturers Perspective *Royal Mat (Invited)*
 Processors Perspective *Ted Burnhardt Rubber Technology Group*
 Market Perspective *TBA*
- 12:15 – 1:30 PM Lunch**
- 1:30 – 3:00 PM Selling Rubber Modified Asphalt to DOTs**
 Moderator *Paul Ruesch EPA Region V*
 Federal Programs *Byron Lord, FHWA*
 Selling to Industry *Doug Carlson, Rubber Pavements Association*
 State Programs *Dr. Sergi Armakanian, Clemson University*
Asphalt Rubber Tech. Service
- 3:00 – 3:15 PM Break**
- 3:15 – 4:45 PM Playground & Soil Amendment Issues**
 Moderator *Todd Marvel, Illinois EPA*
 Turf Applications *Bob Kelly, Turf Solutions*
 American with Disabilities Issues *Bryan Kellar, Arkansas Dept. of Parks & Tourism*
 Playground Market Potential/Issues *Dr. Amme, University of Denver*
- 4:45 – 6:15 PM Civil Engineering Applications**
 Moderator/Overview *Bob Large, Ohio EPA*
 Landfill Remediation/closure *Bill Robinson, Illinois EPA*
 Landfill Construction *Mo Finney, Waste Management*
 Road Construction/Leachate *Dr. Dana Humphrey, University of Maine*
 Baled Tires *David Holdeman, Nebraska DEQ*
- 6:45 – 8:00 PM Reception Sponsored by Columbus McKinnon**

Tri-Regional Scrap Tire Conference

Agenda - Day 2

Friday • December 6, 2002

- 7:00 – 7:55 AM Continental Breakfast**
- 8:00 – 9:45 AM Tire Derived Fuel Issues**
 Moderator/Overview *Terry Gray, TAG Associates*
 Impacts of the Clean Air Act *Dr. Robert Schrieber, Schrieber & Yonley*
 Cement Industry Issues *Stewart Pryor, North Texas Cement*
 Pulp & Paper Industry Issues *Joe Duran, International Paper (Invited)*
 Utility Boilers *Steve Godbehere, Tennessee Valley Authority*
- 9:45 – 10:30 AM Panel Discussion
 (The Impact that State Scrap Tire Programs Have on the Market)**
 Moderator *Chet Chaney, Ohio DNR*
 TDF Supplier *Mike Sorcher, M&A Associates*
 Tire Processor *Harry Griede, Greenman Technologies*
 Mississippi *Mark Williams, Mississippi DEQ*
 North Carolina *Pam Moore, North Carolina DENR*
- 10:30 – 10:45 AM Break**
- 11:00 AM – 12:30 PM Innovative Legislation and Regulations
 (Selected State Program Reviews)**
 Moderator *Pam Swingle, EPA Region IV*
 Oklahoma *Jim Kromer, Oklahoma DEQ*
 Michigan *Rhonda Zimmerman, Michigan DNR*
 Illinois *Todd Marvel, Illinois EPA*
 Ohio *Bob Large, Ohio EPA*
 Louisiana *Tony Case, Louisiana DEQ*
 Processor's Perspective *Bill Vincent, Colt Industries*
- 12:30 PM Lunch/Adjourn**

